AMENDMENTS TO THE SPECIFICATION

Please delete the paragraph bridging pages 8 and 9, and replace it as follows:

The transmitter shown in Figure 4 includes:

- ~~means 2~~ <u>spreader unit 2</u> for spreading K incoming data sequences ST1 to STK

using K respective spreading codes $c_{Q_1}^{(1)}$ to $c_{Q_K}^{(K)}$,

- ~~means 3~~ <u>scrambler unit 3</u> for scrambling K data sequences ST'l to ST'K from

the ~~means 2~~ <u>spreader unit 2</u> using a scrambling code c_E,

- modulator ~~means 4~~ <u>unit 4</u> receiving the various sequences ST"l to ST"K from

the ~~means 3~~ <u>scrambler unit 3</u>,

- transmitter ~~means 5~~ <u>unit 5</u> receiving the modulated signals from the ~~means 4~~ <u>unit</u>

<u>4</u> and supplying the corresponding radio signals.

Page 9, please delete the first full paragraph and replace it as follows:

The receiver shown in Figure 5 includes:

- receiver ~~means 6~~ <u>unit 6</u>,

- demodulator ~~means 7~~ <u>unit 7</u>,

- ~~means 8~~ <u>descrambler unit 8</u> for descrambling a data sequence SR" from the

~~means 7~~ <u>demodulator unit 7</u> using said scrambling code c_E,

- ~~means 9~~ despreader unit 9 for despreading a data sequence SR' from the ~~means~~

~~8~~ descrambler unit 8 using K respective spreading codes $c_{Q_1}^{(1)}$ to $c_{Q_K}^{(K)}$, and supplying K

despread sequences SR1 to SRK to be used in processor ~~means~~ unit 10 by a decoding

algorithm of the type mentioned above to supply a received data sequence SR.

Page 9, please delete the second full paragraph and replace it as follows:

The device in accordance with the invention, used on transmission, can be used in

the spreading ~~means~~ unit 2 and the scrambling ~~means~~ unit 3 from Figure 4. In this case

the device in accordance with the invention can be used in a base transceiver station for

spreading incoming data sequences corresponding to different users served by the base

transceiver station; it can also be used in a mobile terminal, by allocating different

spreading codes to the user.

**Please delete the paragraph bridging pages 9 and 10, and replace it as
follows:**

The device in accordance with the invention used on transmission shown in

Figure 6 includes:

- ~~means like the means~~ grouping units 311 to 31K for grouping the data symbols

of the kth incoming sequence (k=1, ...K) into different blocks of [[Q_{MAX}/Q_{K}]] Q_{MAX}/Q_k

symbols $\left(d_1^{(k)}, d_2^{(k)}, ..., d_{Q_{MAX}/Q_k}^{(k)} \right)$,

- ~~means like the means~~ <u>spreader units</u> 321 to 32K for spreading the blocks

obtained in this way from the kth incoming sequence (k=1, ...K) using the corresponding

code $c_{Q_k}^{(K)}$ to obtain a spread sequence including spread blocks of length Q_{MAX}

$$\left(d_1^{(k)} \cdot c_{Q_k}^{(k)}, d_2^{(k)}, c_{Q_k}^{(k)}, ..., d_{Q_{MAX}/Q_k}^{(k)} \cdot c_{Q_k}^{(k)} \right),$$

- ~~means like the means~~ <u>grouping units</u> 331 to 33K for scrambling each of the K

sequences ST'1 to ST'K obtained in this way using a scrambling code c_E of length Q_{MAX}.

Page 10, please delete the first full paragraph and replace it as follows:

The means such as the ~~means~~ <u>grouping units</u> 311 to 31K are controlled in

accordance with the maximal length Q_{MAX} and the corresponding code lengths Q_l to Q_k.

If the length Q_k of at least one of these codes is variable, in particular in accordance with

the bit rate of the corresponding incoming sequence, these means enable the number

Q_{MAX}/Q_k of symbols per block to be varied, for the corresponding sequence, so that the

product of this number by the length of this code remains constant and equal to Q_{MAX}.

Page 10, please delete the second full paragraph and replace it as follows:

The device in accordance with the invention is used in particular in the

descrambling ~~means~~ <u>unit</u> 8 and the despreading ~~means~~ <u>unit</u> 9 from Figure 5. In this case

of application to despreading, the device in accordance with the invention can be used in

a base transceiver station or in a mobile terminal to despread an incoming data sequence,

not only by means of the spreading code allocated to a given user (or by means of one of

the codes allocated to that user if they are allocated more than code), but also by means of

the codes allocated to other users (and possibly other codes allocated to the user in

question), in order to use a decoding algorithm such as those mentioned hereinabove.

Page 11, please delete the first paragraph and replace it as follows:

The despreading device shown in Figure 7 includes:

- ~~means 34~~ descrambler unit 34 for descrambling the incoming sequence SR' '

using a scrambling code c_E of length Q_{MAX},

- ~~means 35~~ grouping unit 35 for grouping the data symbols of the descrambled

sequence SR' obtained in this way into different spread blocks of length Q_{MAX},

- means such as the ~~means 361 to 36K~~ despreader units 361 to 36K for

despreading the spread blocks obtained in this way by means of respective codes such as

the codes $c_{Q_1}^{(1)}$ to $c_{Q_K}^{(K)}$ to obtain K despread sequences SR1 to SRK formed of different

blocks of Q_{MAX}/Q_K symbols (k=1, ...K).